

Segment ID: 2473

Water body name: St. Charles Bay

Estuary

Bays and Estuaries

Total size:

13.1 Sq. miles

| Assessment Year | Assessment Method | Status of Use Support or Concern | Location | Location size | # of samples | # of exceedances | Mean |
|-----------------|-------------------|----------------------------------|----------|---------------|--------------|------------------|------|
|-----------------|-------------------|----------------------------------|----------|---------------|--------------|------------------|------|

Aquatic Life Use

| | | | | | | | |
|------|-------------------------------|------------------|---|-----|----|---|--|
| 2002 | Dissolved Oxygen grab average | No Concern | Bay, Northeast of Goose Island State Park | 8 | 16 | 1 | |
| 2002 | Dissolved Oxygen grab minimum | Fully Supporting | Bay, Northeast of Goose Island State Park | 8 | 16 | 0 | |
| 2002 | Dissolved Oxygen 24hr average | Not Assessed | Bay, Northeast of Goose Island State Park | 8 | 0 | | |
| 2002 | Dissolved Oxygen 24hr minimum | Not Assessed | Bay, Northeast of Goose Island State Park | 8 | 0 | | |
| 2002 | Overall Aquatic Life Use | Fully Supporting | Bay, Northeast of Goose Island State Park | 8 | | | |
| 2002 | Overall Aquatic Life Use | Not Assessed | Remainder of bay | 5.1 | | | |

Contact Recreation Use

| | | | | | | | |
|------|-------------------------------|------------------|---|-----|----|---|------|
| 2004 | Enterococci single sample | Not Supporting | Bay, Northeast of Goose Island State Park | 8 | 14 | 5 | |
| 2002 | Enterococci single sample | Not Assessed | Remainder of bay | 5.1 | 0 | | |
| 2004 | Enterococci geometric mean | Fully Supporting | Bay, Northeast of Goose Island State Park | 8 | 14 | | 29 |
| 2002 | Enterococci geometric mean | Not Assessed | Remainder of bay | 5.1 | 0 | | |
| 2004 | Fecal coliform single sample | Fully Supporting | Bay, Northeast of Goose Island State Park | 8 | 35 | 1 | |
| 2004 | Fecal coliform single sample | Fully Supporting | Remainder of bay | 5.1 | 21 | 0 | |
| 2004 | Fecal coliform geometric mean | Fully Supporting | Bay, Northeast of Goose Island State Park | 8 | 35 | | 29.1 |
| 2004 | Fecal coliform geometric mean | Fully Supporting | Remainder of bay | 5.1 | 21 | | 6.2 |
| 2004 | Overall Recreation Use | Not Supporting | Bay, Northeast of Goose Island State Park | 8 | | | |
| 2004 | Overall Recreation Use | Fully Supporting | Remainder of bay | 5.1 | | | |

General Use

| | | | | | | | |
|------|-------------------|------------------|---|---|----|---|--|
| 2002 | Water Temperature | Fully Supporting | Bay, Northeast of Goose Island State Park | 8 | 17 | 0 | |
| 2002 | pH | Fully Supporting | Bay, Northeast of Goose Island State Park | 8 | 17 | 0 | |

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|-----------------|-------------------|----------------------------------|----------|---------------|--------------|------------------|------|
|-----------------|-------------------|----------------------------------|----------|---------------|--------------|------------------|------|

General Use (continued)

| | | | | | | | |
|------|---------------------|------------------|---|-----|--|--|--|
| 2002 | Overall General Use | Fully Supporting | Bay, Northeast of Goose Island State Park | 8 | | | |
| 2002 | Overall General Use | Not Assessed | Remainder of bay | 5.1 | | | |

Fish Consumption Use

| | | | | | | | |
|------|------------------------------|--------------|---|-----|--|--|--|
| 2002 | Overall Fish Consumption Use | Not Assessed | Bay, Northeast of Goose Island State Park | 8 | | | |
| 2002 | Overall Fish Consumption Use | Not Assessed | Remainder of bay | 5.1 | | | |

Oyster Waters Use

| | | | | | | | |
|------|----------|------------------|---|-----|--|--|--|
| 2002 | TDH Maps | Fully Supporting | Bay, Northeast of Goose Island State Park | 8 | | | |
| 2002 | TDH Maps | Fully Supporting | Remainder of bay | 5.1 | | | |

Overall Use Support

| | | | | | | | |
|------|--|------------------|---|-----|--|--|--|
| 2004 | | Not Supporting | Bay, Northeast of Goose Island State Park | 8 | | | |
| 2004 | | Fully Supporting | Remainder of bay | 5.1 | | | |

Nutrient Enrichment Concern

| | | | | | | | |
|------|--------------------------------------|--------------|---|-----|----|---|--|
| 2002 | Ammonia Nitrogen | No Concern | Bay, Northeast of Goose Island State Park | 8 | 19 | 1 | |
| 2002 | Nitrite + Nitrate Nitrogen | No Concern | Bay, Northeast of Goose Island State Park | 8 | 17 | 0 | |
| 2002 | Orthophosphorus | No Concern | Bay, Northeast of Goose Island State Park | 8 | 17 | 2 | |
| 2002 | Total Phosphorus | No Concern | Bay, Northeast of Goose Island State Park | 8 | 18 | 0 | |
| 2002 | Overall Nutrient Enrichment Concerns | No Concern | Bay, Northeast of Goose Island State Park | 8 | | | |
| 2002 | Overall Nutrient Enrichment Concerns | Not Assessed | Remainder of bay | 5.1 | | | |

